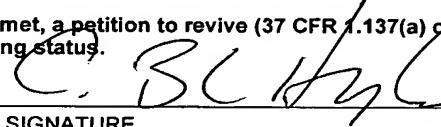


FORM PT2-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004)		ATTORNEY'S DOCKET NUMBER 05-495
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/538947
INTERNATIONAL APPLICATION NO. PCT/GB03/005285	INTERNATIONAL FILING DATE 4 December 2003	PRIORITY DATE CLAIMED 18 December 2002
TITLE OF INVENTION Signal Separation		
APPLICANT(S) FOR DO/EO/US 1) Geoffrey Spence 2) Ira James Clarke		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> <p>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</p> <p>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</p>		
Items 13 to 23 below concern document(s) or information included:		
<p>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>15. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>17. <input type="checkbox"/> A substitute specification.</p> <p>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>22. <input checked="" type="checkbox"/> Express Mail Label No. EV334694171US</p> <p>23. <input checked="" type="checkbox"/> Other items or information:</p> <p>Application Data Sheet; 17 pages of Drawings; Filing Fee Check; Postcard</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. of known, see 37 CFR 1.51 107538947		INTERNATIONAL APPLICATION NO. PCT/GB03/005285		ATTORNEY'S DOCKET NUMBER 05-495																						
24. The following fees are submitted: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/></td> <td style="width: 40%;">a) Basic national fee</td> <td style="width: 10%; text-align: right;">\$300.00</td> <td style="width: 10%; text-align: center;">Applicant use</td> <td style="width: 10%; text-align: center;">Office use</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>b) Examination fee</td> <td style="text-align: right;">\$200.00</td> <td style="text-align: center;">\$</td> <td style="text-align: center;">\$200.00</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>c) Search fee</td> <td style="text-align: right;">\$500.00</td> <td style="text-align: center;">\$</td> <td style="text-align: center;">\$500.00</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">\$1000.00</td> <td style="text-align: center;">\$</td> <td style="text-align: center;">\$1,000.00</td> </tr> </table>						<input checked="" type="checkbox"/>	a) Basic national fee	\$300.00	Applicant use	Office use	<input checked="" type="checkbox"/>	b) Examination fee	\$200.00	\$	\$200.00	<input checked="" type="checkbox"/>	c) Search fee	\$500.00	\$	\$500.00	TOTAL OF ABOVE CALCULATIONS =			\$1000.00	\$	\$1,000.00
<input checked="" type="checkbox"/>	a) Basic national fee	\$300.00	Applicant use	Office use																						
<input checked="" type="checkbox"/>	b) Examination fee	\$200.00	\$	\$200.00																						
<input checked="" type="checkbox"/>	c) Search fee	\$500.00	\$	\$500.00																						
TOTAL OF ABOVE CALCULATIONS =			\$1000.00	\$	\$1,000.00																					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																										
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)		RATE																						
56 - 100 =	-44 /50 =	0		x \$250.00																						
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).																										
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																							
Total claims	17 - 20 =	0	x \$50.00																							
Independent claims	5 - 3 =	2	x \$200.00																							
MULTIPLE DEPENDENT CLAIMS (if applicable)			<input type="checkbox"/> + \$360.00																							
TOTAL OF ABOVE CALCULATIONS = \$1,400.00																										
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																										
SUBTOTAL = \$1,400.00																										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																										
TOTAL NATIONAL FEE = \$1,400.00																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$0.00																										
TOTAL FEES ENCLOSED = \$1,400.00																										
Amount to be refunded: \$																										
Amount to be charged: \$																										
a. <input checked="" type="checkbox"/> A check in the amount of \$1,400.00 to cover the above fees is enclosed.																										
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____.																										
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2490 . A duplicate copy of this sheet is enclosed.																										
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																										
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																										
SEND ALL CORRESPONDENCE TO: A. Blair Hughes McDonnell Boehnen Hulbert & Berghoff LLP 300 S. Wacker Drive Chicago, IL 60606																										
 SIGNATURE A. Blair Hughes NAME 32,901 REGISTRATION NUMBER																										
Dated: June 14, 2005																										

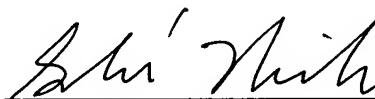
10/538947
JC09 Rec'd PCT/PTO 14 JUN 2005

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No. EV334694171US

Deposited: June 14, 2005

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
(person *actually* depositing)

Patent Application of: Spence et al.

Title: Signal Separation

Copy of International Application

Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)

Postcard

Copy of International Search Report

Postcard

Checks

Patent Data Sheet

Preliminary Amendment

17 Sheets of Drawings

Declaration/Power of Attorney

Attorney Docket No.: 05-470